

Understanding Micronets

Darshak Thakore

Principal Architect, Security Technologies
CableLabs

Vision

INFORMED™



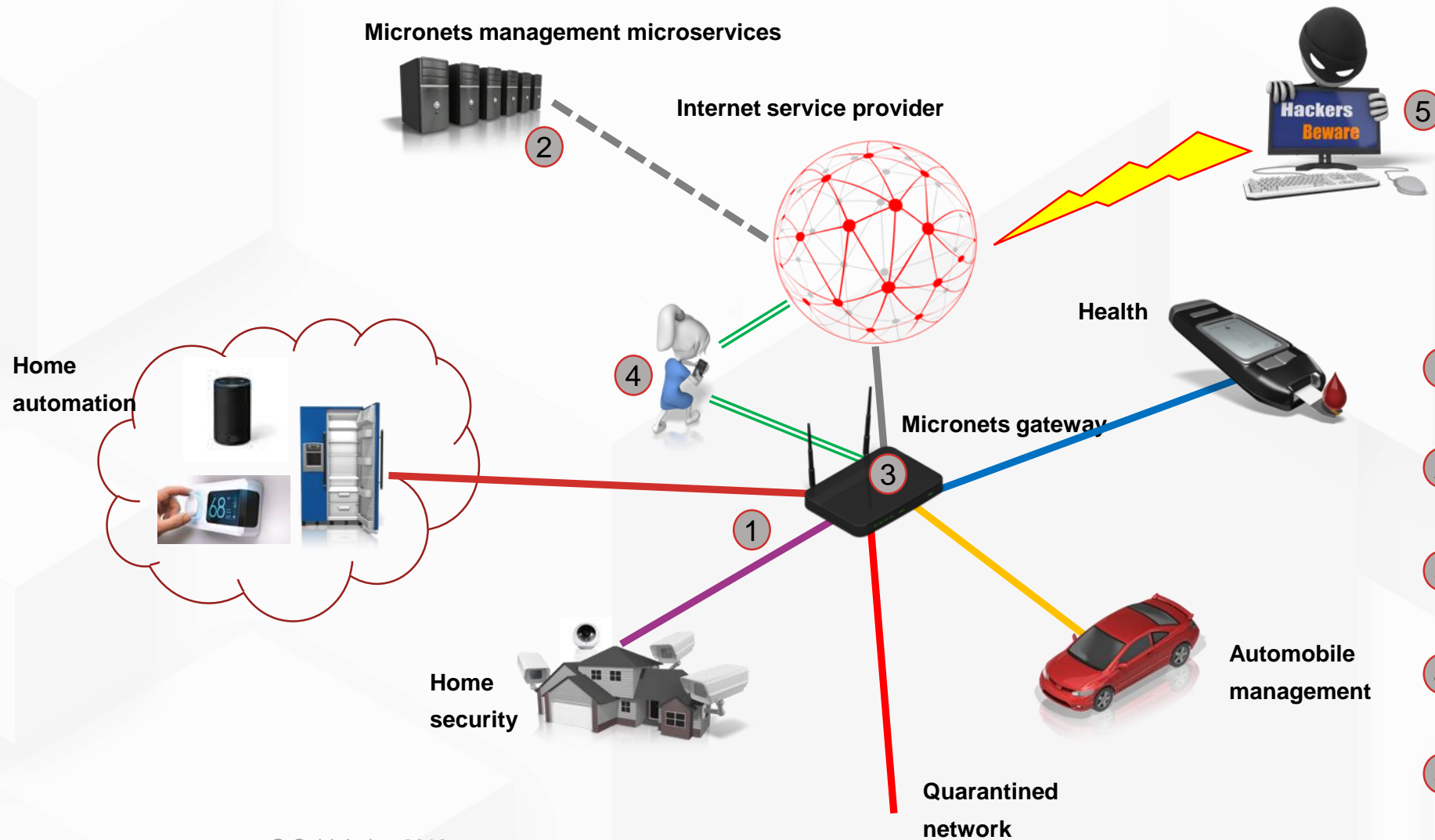
“Re”design on-premise networks

- Ease of use
- Automated service management
- Integrated security controls

Core Capabilities

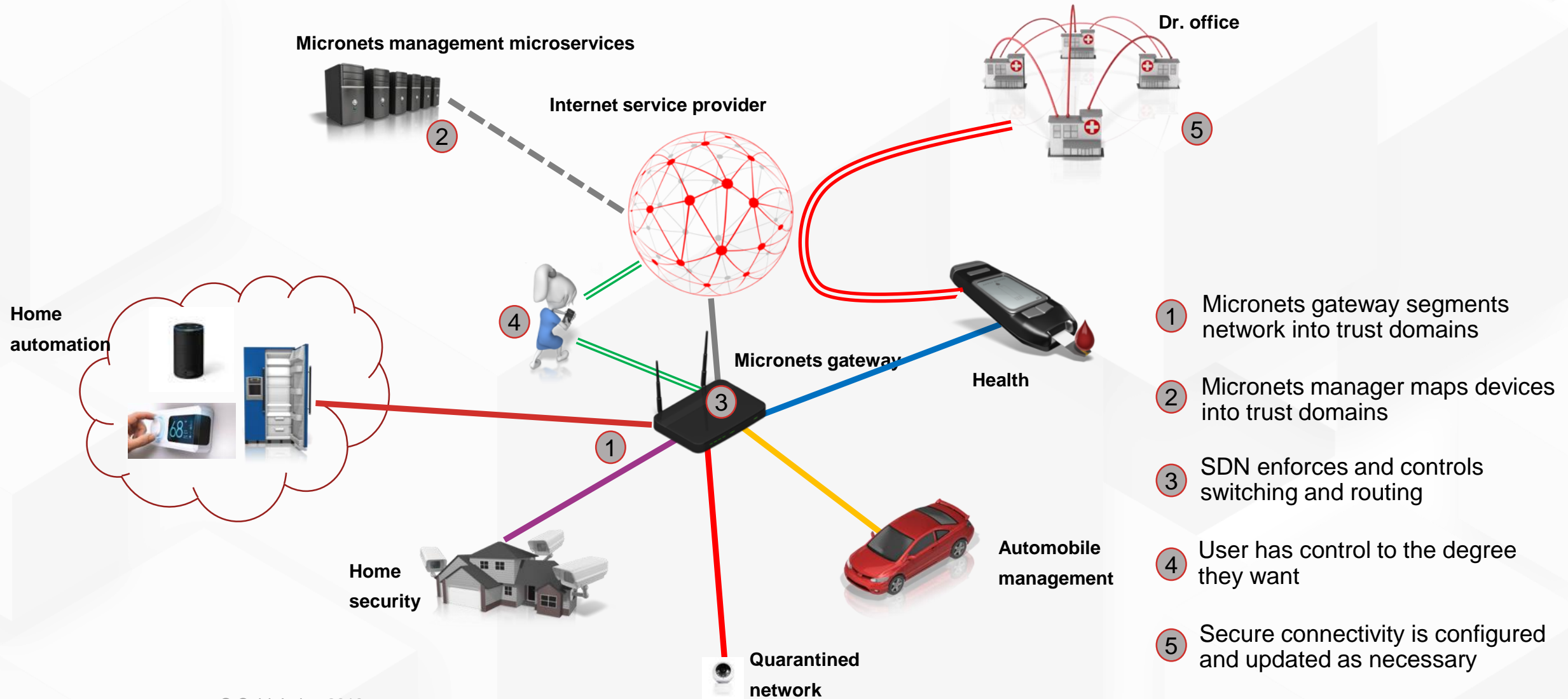
- Network premises segmentation
- Separate trust domains
- Flow (traffic) management
- Visibility
- Dynamic rules/policy management
 - Leveraging identity of each endpoint
 - Device granular malware management (sand boxing)

“Micro” Segmentation

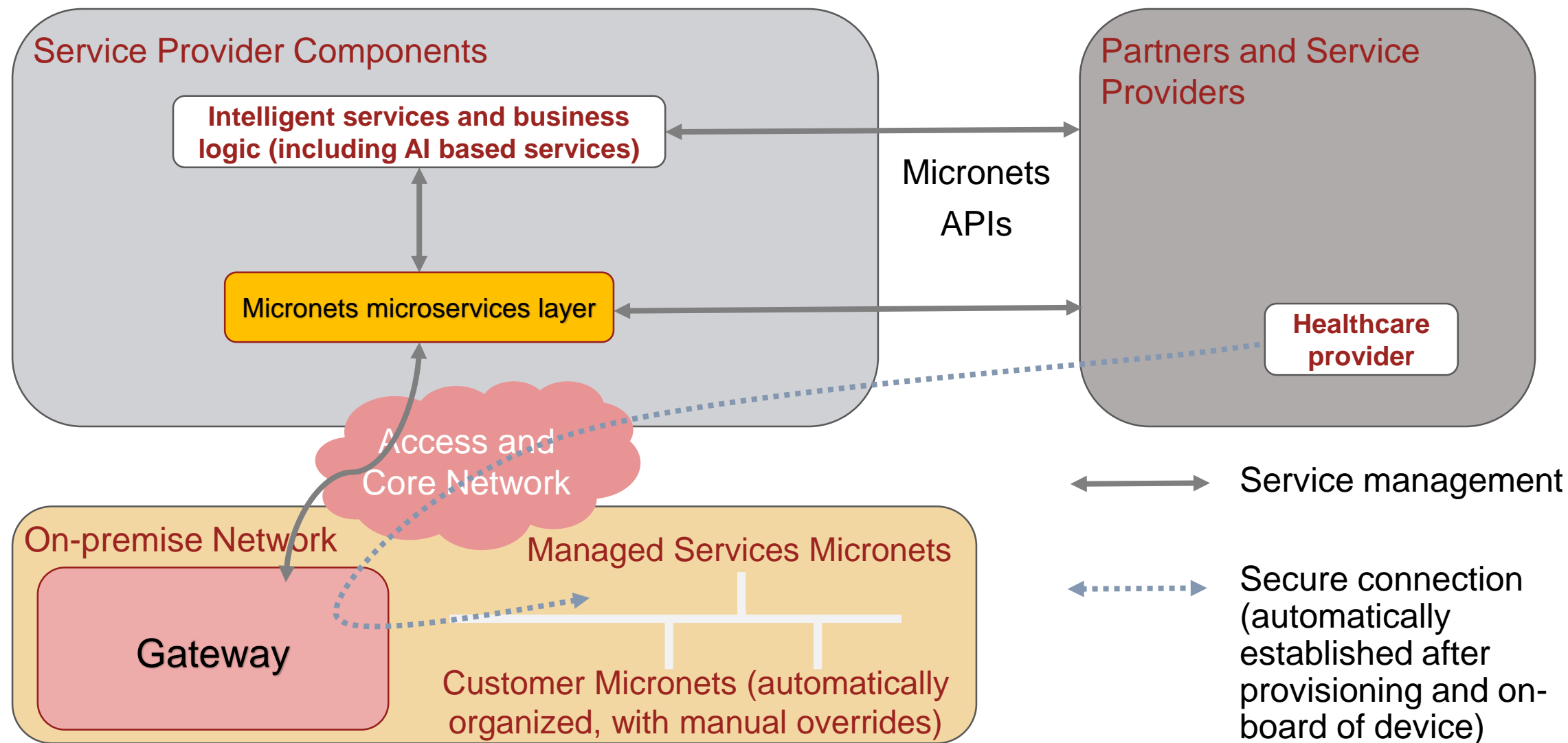


- 1 Micronets gateway segments network into trust domains
- 2 Micronets manager maps devices into trust domains
- 3 SDN enforces and controls switching and routing
- 4 User has control to the degree they want
- 5 Security threats contained to a micronet or can be quarantined


Secure Connectivity



Reference Architecture



- Open Source Code
 - cablelabs.github.io/micronets
 - Gateway components
 - PoC microservices
 - Device onboarding
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- Common AI/ML API's
 - Specification Work
 - WFA, IETF

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Developer documentation for CableLabs Micronets

[Micronets Home](#) [About Micronets](#)

- Home
- Getting Started
- Micronets Gateway
- Example
 - /etc/network/interfaces
- Server Components
 - Micronets Manager
 - Identity Server
 - MSO Portal
 - Registration Server
 - Authorization Server
 - Idora Server
 - MUD Services
 - Websocket Proxy
 - Using Docker
- Test Components
 - Idora Client App
 - QR Code Scanner
 - ProtoMed Device

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What is Micronets

Micronets is a next generation on-premise networking platform focused on providing adaptive security for all devices connecting to a consumer and/or SMB network and provides dynamic micro-segmentation and management of connectivity to those devices. It is designed to provide seamless and transparent security to the users without burdening them with the technical aspects of configuring the network. A beginner's overview of Micronets is available at the [About Micronets](#) site.

An open source code-base to demonstrate the technology behind Micronets.

This site is meant for developers and people interested in getting a proof-of-concept setup to test and play around with the Micronets technology.

[Next - Getting Started →](#)

Call To Action

- It's happening – sign up for future Micronets updates at <https://go.cablelabs.com/micronets>
- Questions:
 - Email: d.thakore@cablelabs.com

Questions?